4TH YEAR · ADVANCED TRACK

HEALTHCARE & MEDICAL SCIENCES

AI & Digital Productivity Program

AI for Evidence-Based Practice, Public Health & Real Community Impact

From Evidence to Healthier Communities.

19	120	1
DAYS	HOURS	REAL CLIENT

Healthcare & Medical Sciences Stream · 120-Hour Training Program · 19 Days

SECTION 1

Program Overview

This Advanced Track is for final-year Healthcare & Medical Sciences students preparing for final-year projects, higher studies and careers. Students already know the core tools from the Foundation Track, so this program does not re-teach them. Every day is built around a realistic Healthcare & Medical Sciences brief: students choose their own tools, produce work a real person would use, and defend their choices.

HOW THIS TRACK WORKS

The Advanced Track is **outcome-centred**, not tool-centred. Each day opens with a short concept session, then moves to a brief. Students who explored more in 3rd year are rewarded with **Advanced Tier** versions of every challenge. The program ends with a **team project for a real client**.

Fresh batch? If students did not complete the Foundation Track, use the Day 1 Skill Check to find gaps and assign the matching Foundation home assignments (Days 1, 3, 7 and 8) as a catch-up kit. For two-year programmes (e.g. M.Sc., M.Com., MBA, B.Ed.), run the Foundation Track in Year 1 and the Advanced Track in Year 2.

TARGET AUDIENCE

MBBS, BDS, B.Sc. Nursing, B.Pharm, BPT, Medical Lab Technology and allied health programmes (subject to eligibility)

ENTRY REQUIREMENTS

Completion of the 3rd Year Foundation Track recommended. No coding required.

Learning Objectives

01 Design reusable, multi-step AI prompt systems.

02 Build evidence maps that handle conflicting sources.

03 Create and test a custom AI assistant without coding.

04 Critically analyse Clinical Guidelines & Medical Research with AI, knowing its limits.

05 Use AI responsibly for final-year projects, literature reviews and citations.

06 Audit AI for bias, misinformation and copyright risks in Healthcare & Medical Sciences.

07 Design mixed-methods research under India's DPDP Act.

08 Analyse numbers and interviews and publish interactive dashboards.

09 Design team workflows with simple automation.

10 Build no-code websites and apps.

11 Produce podcasts and mini-documentaries with AI media tools.

12 Plan for higher studies, exams and jobs, and deliver a real client project.

SECTION 2

Program Structure

Phase	Days	Daily Load	Hours
Classroom Training	Days 1–15	4 hrs/day	**60**
Home Assignments	Days 1–15	2 hrs/day	**30**
Team Client Project	Days 16–18	8 hrs/day	**24**
Client Showcase & Exhibition	Day 19	6 hrs	**6**
Total	19 Days		**120 Hours**

Learning Journey

1	PHASE 1 **Level Up: Advanced AI Workflows**	Days 1–3
2	PHASE 2 **Critical Thinking with AI**	Days 4–6
3	PHASE 3 **Research, Data & Insight**	Days 7–9
4	PHASE 4 **Building & Creating**	Days 10–12
5	PHASE 5 **Career Launch & Client Project**	Days 13–19

DAILY FORMAT
4 hours classroom training + 2 hours home assignment, Days 1–15.

ADVANCED TIER
A harder version of every brief, assigned from the Day 1 Skill Check or chosen by students who want more.

EXPECTED OUTPUT
Every day ends with a concrete deliverable that feeds the final portfolio.

RESPONSIBLE AI RULES FOR HEALTHCARE & MEDICAL SCIENCES

- This is NOT clinical training. AI must never be used for diagnosis, prescriptions or treatment decisions.
- Use only verified sources (PubMed, WHO, ICMR, textbooks) and check every medical statement.
- Never upload real patient data. Use fictional or fully sanitised data only.
- All patient-facing material must be reviewed by faculty before it is shared.

DAY 01

PHASE 1 · LEVEL UP: ADVANCED AI WORKFLOWS

Skill Check & Advanced Prompt Systems

4 HRS CLASSROOM · 2 HRS HOME | BUILDS ON 3RD YEAR DAY 1 (PROMPTING BASICS)

LEARNING OBJECTIVE Measure each student's starting level, then move from single prompts to structured, reusable prompt systems.

HOUR 1

The Skill Check (diagnostic)

- A timed mixed challenge on research, NotebookLM, Docs, Canva and Sheets.
- Self-rating against a skills checklist.
- Results decide Standard or Advanced Tier challenges.

HOUR 2

Advanced Prompt Structures

- Role, context, constraints, examples and output format together.
- Few-shot prompting: teaching AI with examples.
- Asking AI to question you before it answers.

HOUR 3

Prompt Chaining & Iteration

- Breaking a big task into a chain of prompts.
- Self-critique and refinement prompts.
- Comparing ChatGPT, Gemini and Claude on the same chain.

HOUR 4 · PRACTICAL BRIEF

The Evidence Summary Template

- Design a prompt chain that summarises a paper in PICO format.
- Test on three papers.
- Fix what breaks and document the final version.

ADVANCED TIER
Make it flag claims not found in the paper.

TOOLS
ChatGPT, Gemini, Claude

HOME ASSIGNMENT · 2 HOURS

- Build five templates: PICO summary, guideline digest, leaflet draft, case summary, journal-club notes.

EXPECTED OUTPUT

Medical Prompt Library

DAY 02

PHASE 1 · LEVEL UP: ADVANCED AI WORKFLOWS

Deep Research & Evidence Mapping

4 HRS CLASSROOM · 2 HRS HOME | BUILDS ON 3RD YEAR DAY 2 (RESEARCH & VERIFICATION)

LEARNING OBJECTIVE Run structured research that handles conflicting sources and reaches evidence-based conclusions.

HOUR 1

Research Planning

- Turning a broad topic into a main question and sub-questions.
- Choosing the right source type for each question.
- AI deep-research modes and their limits.

HOUR 2

Evaluating Sources

- Domain sources: PubMed, Cochrane, WHO, ICMR, MoHFW, NFHS, CDSCO, Shodhganga.
- Author, purpose, date, evidence and bias.
- Lateral reading; spotting fabricated AI citations.

HOUR 3

Handling Conflicting Claims

- Mapping agreement and disagreement.
- Weighing evidence quality, not quantity.
- Writing balanced conclusions with stated uncertainty.

HOUR 4 · PRACTICAL BRIEF

Evidence Map on a Clinical Debate

- Investigate a debated question (e.g. intermittent fasting, screen time).
- Map supporting and opposing studies.
- Present a conclusion with stated uncertainty.

ADVANCED TIER

Add a systematic review that changes one claim.

TOOLS

Perplexity, Google Scholar, ChatGPT / Gemini deep research, diagrams.net

HOME ASSIGNMENT · 2 HOURS

- Write a 2-page evidence brief.

EXPECTED OUTPUT

Evidence Map + Brief

DAY 03

PHASE 1 · LEVEL UP: ADVANCED AI WORKFLOWS

Build Your Own AI Assistant (No Code)

4 HRS CLASSROOM · 2 HRS HOME | NEW IN 4TH YEAR

LEARNING OBJECTIVE Create a custom AI assistant grounded in chosen materials, with clear instructions, limits and testing.

HOUR 1

How Custom Assistants Work

- Instructions, knowledge files and grounding.
- Gemini Gems, NotebookLM and Custom GPTs (where available).
- Why grounded assistants still make mistakes.

HOUR 2

Designing the Assistant

- Purpose, audience and tone.
- Writing instructions and boundaries.
- Preparing reliable source material.

HOUR 3

Testing & Improving

- A test set of normal, tricky and off-topic questions.
- Scoring accuracy and source use.
- Revising instructions from failures.

HOUR 4 · PRACTICAL BRIEF

Grounded Study Bot

- Build a Gem grounded on a textbook chapter or guideline.
- Run a 15-question test set and score it.
- Demo it live to the class.

ADVANCED TIER

Make it refuse any diagnosis or dosing request.

TOOLS

Gemini Gems, NotebookLM, Custom GPTs (where available)

HOME ASSIGNMENT · 2 HOURS

- Write a user guide with limits.

EXPECTED OUTPUT

Custom Medical Study Assistant

DAY 04

PHASE 2 · CRITICAL THINKING WITH AI

Critical Analysis of Clinical Guidelines & Medical Research with AI

4 HRS CLASSROOM · 2 HRS HOME | BUILDS ON 3RD YEAR DAY 3 (DOCUMENT INTELLIGENCE)

LEARNING OBJECTIVE Use AI to compare and critique Clinical Guidelines & Medical Research while recognising where AI analysis falls short.

HOUR 1

Human Reading vs AI Reading

- What AI does well: patterns, summaries, extraction.
- What it misses: context, nuance, judgement.
- Using AI as a second reader, not the first.

HOUR 2

Comparative Analysis

- Comparing two or more documents side by side.
- Extracting recurring points and differences.
- Comparison tables with source-grounded evidence.

HOUR 3

Testing AI Interpretations

- Checking every AI claim against the source.
- Spotting invented quotes, figures and citations.
- Writing your own judgement where AI is shallow.

HOUR 4 · PRACTICAL BRIEF

Journal Club Critique

- Appraise two papers on one question.
- Critique AI's appraisal point by point.
- Write your own verdict.

ADVANCED TIER

Spot one bias or confounder AI missed.

TOOLS

NotebookLM, Claude, ChatGPT, Google Docs

HOME ASSIGNMENT · 2 HOURS

- Write a 1,000-word critical appraisal.

EXPECTED OUTPUT

Critical Appraisal

DAY 05

PHASE 2 · CRITICAL THINKING WITH AI

AI for Final-Year Projects & Academic Writing

4 HRS CLASSROOM · 2 HRS HOME | NEW IN 4TH YEAR

LEARNING OBJECTIVE Use AI responsibly to plan and support a final-year research project, case presentation or thesis.

HOUR 1

Planning the Project

- Choosing and narrowing a topic with AI brainstorming.
- Research questions, scope and chapter structure.
- A realistic timeline.

HOUR 2

Literature Review with AI

- Finding and grouping related studies.
- Summarising papers with NotebookLM.
- OCR for scanned material (LightPDF / iLovePDF / Google Lens).

HOUR 3

Citations & Integrity

- Zotero for references; APA / MLA basics.
- Verifying every AI-suggested reference exists.
- QuillBot and where paraphrasing becomes plagiarism; AI-use disclosure.

HOUR 4 · PRACTICAL BRIEF

Thesis Proposal Sprint

- Frame research questions.
- Ten-source Zotero library.
- Chapter plan and disclosure.

ADVANCED TIER

Create a literature map.

TOOLS

NotebookLM, Google Scholar, Zotero, QuillBot, LightPDF / iLovePDF, ChatGPT

HOME ASSIGNMENT · 2 HOURS

- Prepare a thesis or project proposal pack.

EXPECTED OUTPUT

Thesis Proposal Pack

DAY 06

PHASE 2 · CRITICAL THINKING WITH AI

AI Ethics, Bias & Misinformation

4 HRS CLASSROOM · 2 HRS HOME | NEW IN 4TH YEAR

LEARNING OBJECTIVE Examine how AI can mislead, exclude or harm in Healthcare & Medical Sciences, and how to use it responsibly.

HOUR 1

Bias in AI

- Where bias comes from: data and design choices.
- Risks in Healthcare & Medical Sciences: dangerous health misinformation, AI 'diagnoses', fake medical ads and patient privacy.
- Under-representation of Indian and local contexts.

HOUR 2

Deepfakes & Misinformation

- AI-generated images, audio and video.
- Verification: Google Lens, reverse image search, metadata, context.
- How misinformation spreads.

HOUR 3

Copyright, Privacy & Consent

- Ownership of AI-generated content.
- Using other people's images, voices and data.
- Privacy when uploading material to AI.

HOUR 4 · PRACTICAL BRIEF

Health Misinformation Audit

- Test AI on risky health questions.
- Analyse a fake medical ad or deepfake doctor video.
- Recommend practical safeguards.

ADVANCED TIER

Publish a verification thread.

TOOLS

ChatGPT, Gemini, image generators, Google Lens / reverse image search

HOME ASSIGNMENT · 2 HOURS

- Write an audit report and a Responsible Health AI charter.

EXPECTED OUTPUT

Health AI Audit Report

DAY 07

PHASE 3 · RESEARCH, DATA & INSIGHT

Research Design & Data Collection

4 HRS CLASSROOM · 2 HRS HOME | BUILDS ON 3RD YEAR DAY 8 (SURVEYS)

LEARNING OBJECTIVE Design research that combines surveys with interviews, with proper sampling, ethics and data protection.

HOUR 1

Research Design

- Quantitative, qualitative and mixed methods.
- Matching methods to research questions.
- Sampling basics and their limits.

HOUR 2

Advanced Instruments

- Likert scales, branching logic and validation in Google Forms.
- Semi-structured interview guides.
- Pilot testing and fixing weak questions.

HOUR 3

Ethics & Data Protection

- Informed consent and anonymity.
- India's DPDP Act 2023: collect less, store safely, delete on time.
- Free transcription: Otter.ai free tier, Docs voice typing.

HOUR 4 · PRACTICAL BRIEF

Community Health Study Kit

- Plan an anonymous community awareness study.
- Build a branching survey and an interview guide.
- Ethics approval steps.

ADVANCED TIER

Add a DPDP and ethics note.

TOOLS

Google Forms, Otter.ai (free tier), Google Docs voice typing, ChatGPT

HOME ASSIGNMENT · 2 HOURS

- Collect 20 anonymous responses and two consented interviews.

EXPECTED OUTPUT

Research Kit + Data

DAY 08

PHASE 3 · RESEARCH, DATA & INSIGHT

AI-Assisted Data Analysis & Insight Generation

4 HRS CLASSROOM · 2 HRS HOME | BUILDS ON 3RD YEAR DAYS 7 & 9 (SPREADSHEETS, CHARTS)

LEARNING OBJECTIVE Analyse numbers and interviews, using AI to assist while verifying every conclusion.

HOUR 1

Cleaning & Preparing Data

- Fixing inconsistent responses and missing values.
- Coding open-ended answers into categories.
- Documenting every cleaning step.

HOUR 2

Quantitative Analysis

- Pivot tables and group comparisons.
- Cross-tabulation of two variables.
- Correlation vs causation.

HOUR 3

Qualitative Analysis with AI

- Thematic coding of transcripts.
- AI-suggested themes checked against quotes.
- Combining numbers and voices into findings.

HOUR 4 · PRACTICAL BRIEF

Public Health Insight Report

- Analyse with pivot tables.
- Code interview themes with AI.
- Verify every claim.

ADVANCED TIER

Find one AI over-interpretation.

TOOLS

Google Sheets / Excel pivot tables, ChatGPT, Gemini, NotebookLM

HOME ASSIGNMENT · 2 HOURS

- Write a 3-page insight report with methods, findings and limits.

EXPECTED OUTPUT

Public Health Insight Report

DAY 09

PHASE 3 · RESEARCH, DATA & INSIGHT

Data Storytelling & Interactive Dashboards

4 HRS CLASSROOM · 2 HRS HOME | BUILDS ON 3RD YEAR DAY 9 (DATA VISUALISATION)

LEARNING OBJECTIVE Turn findings into interactive visual stories that combine data with human context.

HOUR 1

Data Storytelling

- The one finding that matters most.
- Story arc: context, tension, insight, action.
- Pairing charts with real voices.

HOUR 2

Honest Visualisation

- Misleading axes and cherry-picking.
- Accessible colour and labelling.
- Annotated charts that explain themselves.

HOUR 3

Interactive Tools

- Looker Studio dashboards on Google Sheets.
- Flourish interactive charts and maps.
- Napkin AI for turning written findings into visuals.

HOUR 4 · PRACTICAL BRIEF

Public Health Dashboard

- Build a Looker Studio dashboard from NFHS or study data.
- Annotate key charts so they explain themselves.
- Present the story in three minutes.

ADVANCED TIER

Add a district map in Flourish.

TOOLS

Looker Studio, Flourish, Napkin AI, Google Sheets

HOME ASSIGNMENT · 2 HOURS

- Publish the dashboard with a narrative.

EXPECTED OUTPUT

Published Health Dashboard

DAY 10

PHASE 4 · BUILDING & CREATING

Multi-Tool Workflow Design & Automation

4 HRS CLASSROOM · 2 HRS HOME | NEW IN 4TH YEAR

LEARNING OBJECTIVE Design and run a complete workflow that connects research, analysis, design and delivery, with simple automation.

HOUR 1

Thinking in Workflows

- Research Analysis Organisation Design Delivery.
- Stages, inputs, outputs and handoffs.
- Picking the right tool for each stage.

HOUR 2

Team Collaboration

- Shared folders, naming conventions and versions.
- Comments, suggestion mode and version history.
- Running meetings on Google Meet.

HOUR 3

Automation & Quality Control

- Zapier (free tier): e.g. Form Sheet email alert.
- Human review checkpoints for AI output.
- Checklists for accuracy and tone.

HOUR 4 · PRACTICAL BRIEF

Awareness Drive Sprint

- Teams plan a health awareness drive in 3 hours.
- Automate registrations with Zapier.
- Add faculty review checkpoints.

ADVANCED TIER

Log every AI step with human sign-off.

TOOLS

Google Drive, Google Meet, Zapier (free tier), Napkin AI, diagrams.net, Notion

HOME ASSIGNMENT · 2 HOURS

- Document the workflow as an SOP.

EXPECTED OUTPUT

Workflow SOP + Diagram

DAY 11

PHASE 4 · BUILDING & CREATING

No-Code Digital Solution Building

4 HRS CLASSROOM · 2 HRS HOME | NEW IN 4TH YEAR

LEARNING OBJECTIVE Build a useful digital resource such as a website or simple app without programming.

HOUR 1

Information Architecture

- Organising information for users.
- Sitemaps, navigation and page hierarchy.
- Writing for the web: short and scannable.

HOUR 2

User Experience Basics

- Who is the user and what do they need first?
- Mobile-first design.
- Accessibility: readable text, alt text, contrast.

HOUR 3

Building the Solution

- Google Sites for websites.
- Glide for simple apps from Google Sheets.
- Notion as a public resource page.

HOUR 4 · PRACTICAL BRIEF

Health Info Website or App

- Build a single-topic education site or app.
- Build at least three linked pages or screens.
- Test it on a phone with a real user.

ADVANCED TIER

Embed your Day 3 bot.

TOOLS

Google Sites, Glide, Notion, Canva

HOME ASSIGNMENT · 2 HOURS

- Complete it with feedback from two users.

EXPECTED OUTPUT

Live No-Code Health Resource

DAY 12

PHASE 4 · BUILDING & CREATING

Narrative Media: Podcasts & Mini-Documentaries

4 HRS CLASSROOM · 2 HRS HOME | BUILDS ON 3RD YEAR DAY 11 (SHORT VIDEO)

LEARNING OBJECTIVE Move from short clips to longer narrative media built on research and real voices.

HOUR 1

Narrative Structure

- Non-fiction story structure: hook, journey, resolution.
- Interviews as storytelling.
- Designing for a specific audience.

HOUR 2

Podcast Production

- Episode planning and scripting with AI.
- Recording on a phone; cleaning audio in Audacity.
- ElevenLabs voice and Suno music, always disclosed.

HOUR 3

Mini-Documentary Production

- Storyboards and shot lists.
- B-roll, Google Flow / Kling clips and permissions.
- Subtitles and bilingual versions with Bhashini.

HOUR 4 · PRACTICAL BRIEF

Public Health Story Pitch

- Pitch a podcast or mini-doc on a community health issue.
- Present the script and interview plan.
- Get peer feedback and lock the plan.

ADVANCED TIER

Produce a bilingual version.

TOOLS

CapCut, Clipchamp, Canva Video, Audacity, ElevenLabs, Suno, Google Flow / Kling AI, Bhashini

HOME ASSIGNMENT · 2 HOURS

- Produce it with one consented interview.

EXPECTED OUTPUT

Health Podcast / Mini-Documentary

DAY 13

PHASE 5 · CAREER LAUNCH & CLIENT PROJECT

Higher Studies & Competitive Exam Preparation

4 HRS CLASSROOM · 2 HRS HOME | NEW IN 4TH YEAR

LEARNING OBJECTIVE Use AI strategically to plan the next step after graduation: further study or competitive exams.

HOUR 1

Mapping Your Options

- Exams and programmes: NEET-PG, INI-CET, NORCET, GPAT, MPH and M.Sc. admissions.
- Eligibility, timelines and patterns.
- Comparing programmes with AI-assisted research.

HOUR 2

Applications & SOPs

- Structure of a strong Statement of Purpose.
- AI feedback without losing your voice.
- Requesting recommendation letters.

HOUR 3

AI for Exam Preparation

- A study plan with milestones.
- Practice questions and answer-writing with AI.
- Verifying facts against official sources.

HOUR 4 · PRACTICAL BRIEF

My Healthcare Next-Step Plan

- Choose NEET-PG, NORCET, GPAT, MPH or a job.
- Build a 6-month plan with milestones.
- Draft SOP or strategy.

ADVANCED TIER

Run an AI mock interview.

TOOLS

ChatGPT, Gemini, Perplexity, NotebookLM, Notion

HOME ASSIGNMENT · 2 HOURS

- Finalise the plan and a revision notebook.

EXPECTED OUTPUT

Next-Step Plan

DAY 14

PHASE 5 · CAREER LAUNCH & CLIENT PROJECT

Jobs, Freelancing & Portfolio of Real Work

4 HRS CLASSROOM · 2 HRS HOME | BUILDS ON 3RD YEAR DAY 14 (RESUME & LINKEDIN)

LEARNING OBJECTIVE Get job-ready: tailor applications to real postings, start freelancing and show real work.

HOUR 1

Careers in the AI Era

- Roles for Healthcare & Medical Sciences graduates: clinical practice paths, public health, medical writing, pharmacovigilance, healthcare administration.
- Skills AI changes and skills it makes more valuable.
- Skill-gap analysis against real job descriptions.

HOUR 2

Freelancing & Pitching

- Freelance services, pricing, proposals and contracts.
- Platforms, safety and avoiding scams.
- Your 60-second pitch and handling tough questions.

HOUR 3

Portfolio of Real Work

- Turning projects from both years into case studies.
- Problem process result.
- Publishing on Google Sites or Notion.

HOUR 4 · PRACTICAL BRIEF

Apply for a Real Health Role

- Pick a real current job or internship posting.
- Tailor resume and cover letter.
- Face an AI mock interview and a peer panel.

ADVANCED TIER

Send one real application or medical-writing proposal after review.

TOOLS

ChatGPT, Gemini, LinkedIn, Google Sites, Notion, Canva

HOME ASSIGNMENT · 2 HOURS

- Publish a portfolio with three case studies.

EXPECTED OUTPUT

Portfolio + Tailored Application

DAY 15

PHASE 5 · CAREER LAUNCH & CLIENT PROJECT

Client Brief & Team Project Planning

4 HRS CLASSROOM · 2 HRS HOME | UPGRADE OF 3RD YEAR DAY 15 (INDIVIDUAL PROJECT)

LEARNING OBJECTIVE Form teams, meet a real client, understand their need and plan a deliverable they will actually use.

HOUR 1

Meeting the Client

- Clients such as primary health centres, hospital departments, health NGOs, ASHA training programmes, schools.
- Running a requirements interview.
- Client emails in Gmail: updates, meeting notes, scheduled send.

HOUR 2

Scoping the Project

- In scope and out of scope.
- Deliverables, quality standards and success criteria.
- Risks and how to handle them.

HOUR 3

Team Planning

- Roles: research, content, design, project manager.
- A three-day plan with daily checkpoints.
- Shared workspace in Drive or Notion.

HOUR 4 · PRACTICAL BRIEF

The Client Pitch

- Structure the pitch: problem, plan, value; rehearse client Q&A.
- Pitch to the client and instructor; get an e-signed approval or requested changes.
- Update the plan the same day.

ADVANCED TIER

Prepare a one-page handover plan: how the client will maintain the deliverable after the program.

TOOLS

Gmail, Google Meet, Google Docs, LightPDF (e-sign), Notion, Trello

HOME ASSIGNMENT · 2 HOURS

- Write the approved project charter: client, problem, scope, deliverables, roles, timeline and success criteria.

EXPECTED OUTPUT

Signed-Off Project Charter

DAYS 16–18

Team Client Project

Teams of 3–5 work for three full days on the project approved by their client on Day 15. Each day starts with a stand-up and ends with a check-in.

DAY 16

8 HOURS · TEAM

Research & Client Foundation

Build the research and content foundation for the client deliverable.

- Morning stand-up: confirm roles and targets.
- Research and verify everything the client needs.
- Collect permissions; store any personal data safely (DPDP).
- Build the shared knowledge base and outline.
- Evening check-in with client or mentor.

DELIVERABLES

- Verified research base
- Permissions log
- Content outline
- Updated plan

DAY 17

8 HOURS · TEAM

Build & Integrate

Produce the main deliverable and integrate all components.

- Create the core deliverable.
- Integrate data, visuals and writing.
- Run internal quality checkpoints.
- Send the client a progress email and working draft.
- Log feedback and agree on changes.

DELIVERABLES

- Working prototype
- Client feedback log
- Supporting materials

DAY 18

8 HOURS · TEAM

Client Feedback, Refinement & Handover

Apply client feedback and prepare a usable handover.

- Apply the agreed changes.
- Final fact-check, proofreading and accessibility check.
- Test with real users where possible.
- Prepare the handover pack and user guide.
- Rehearse the final showcase.

DELIVERABLES

- Final deliverable
- Handover pack & user guide
- Showcase presentation

DAY 19 · 6 HOURS

Client Showcase & Final Exhibition

30 min	Welcome, registration and team setup
45 min	Exhibition and gallery walk (clients invited)
3 hr 15 min	Team presentations, live demos and client Q&A
45 min	Evaluation, client feedback and reflection
45 min	Recognition, certificates and handover to clients

PRESENTATION FORMAT

Each team: 8 minutes presentation, 5 minutes live demo, 5 minutes questions from the client and panel. For larger batches, run parallel panels.

Each Team Demonstrates

01 The client and their problem	**02** Research process and evidence	**03** AI and digital workflow
04 The final deliverable, live	**05** Client feedback and response	**06** Handover and future impact

SECTION 3

Suggested Client Projects

Each team delivers a project for a real client. Final scope is agreed with the client on Day 15.

PROJECT 01

PHC Patient Education Kit

Regional-language kit for a primary health centre.

Deliverables: Leaflets, posters, videos, faculty review log

PROJECT 02

School Anaemia Awareness Campaign

A campaign with a school or NGO.

Deliverables: Survey insights, posters, sessions, video

PROJECT 03

Medicine-Safety Guide for an NGO

Safe medicine use for families.

Deliverables: Guide, infographics, workshop deck

PROJECT 04

Hospital Department Website

An information site for a department.

Deliverables: Website, FAQs, staff contacts, maps

PROJECT 05

ASHA Worker Learning Resource

Short learning modules for ASHA workers.

Deliverables: Videos, quizzes, Glide app

PROJECT 06

Community Health Survey Report

A study for a ward or village.

Deliverables: Mixed-methods report, dashboard

PROJECT 07

Health Myth-Busting Podcast

A podcast with a health NGO.

Deliverables: Three episodes, transcripts, show notes

YOUR OWN IDEA

Propose Your Own

Students may propose an original project, subject to instructor and client approval on Day 15.

SECTION 4

Assessment & Evaluation

Classroom briefs & participation	10%
Daily home assignments	20%
Project charter & planning	10%
Final deliverable quality & usefulness	35%
Client / user feedback	10%
Showcase presentation & teamwork	15%
Total	**100%**

Final Project Evaluation Criteria

Real value to the client or users	Depth and accuracy of research	Thoughtful choice and integration of tools	Critical, responsible use of AI
Quality and polish of the deliverable	Response to feedback	Teamwork and communication	

Tools Covered

Category	Tools	Category	Tools
AI Assistants	ChatGPT, Gemini, Claude	**Data Analysis**	Sheets / Excel pivot tables
Custom Assistants	Gemini Gems, NotebookLM, Custom GPTs	**Dashboards & Visuals**	Looker Studio, Flourish, Napkin AI
Research	Perplexity, Google Scholar, deep research modes	**Automation**	Zapier (free tier)
References & Writing	Zotero, QuillBot	**No-Code Building**	Google Sites, Glide, Notion
PDF Tools	LightPDF / iLovePDF (OCR, e-sign)	**Media**	CapCut, Clipchamp, Audacity, ElevenLabs, Suno, Flow / Kling
Verification	Google Lens, reverse image search	**Teams**	Google Drive, Meet, Gmail, Notion, Trello
Surveys & Interviews	Google Forms, Otter.ai, Docs voice typing	**Career**	LinkedIn, Google Sites

Tool selection can be adjusted for free-plan availability, institutional access and internet connectivity. No paid subscription should be compulsory for students.

SECTION 5

Expected Program Outcomes

After completing the 120-hour Advanced Track, students should be able to:

1	Design and run multi-step AI workflows for real projects.
2	Build evidence-based arguments from conflicting sources.
3	Create and test a custom AI assistant without coding.
4	Use AI responsibly for final-year academic work.
5	Recognise and audit AI bias, misinformation and privacy risks.
6	Run mixed-methods research and publish interactive data stories.
7	Build no-code digital resources and automate simple workflows.
8	Produce podcasts and mini-documentaries with AI media.
9	Plan for higher studies, competitive exams, freelancing and jobs.
10	Deliver a real project to a real client as part of a team.

Graduates of the Advanced Track leave with a **published portfolio**, a **final-year project plan**, a **career or higher-studies roadmap** and a **real client project** they can talk about in interviews.

4TH YEAR · HEALTHCARE & MEDICAL SCIENCES · ADVANCED TRACK

From Evidence to Healthier Communities.

NO CODING REQUIRED · 120 HOURS · 19 DAYS